

# Converting Colors

XYZ(31.7480, 34.2728, 34.6996)

Have a look what the booklet for  
XYZ(31.7480, 34.2728, 34.6996)  
contains.

<b>XYZ(31.7559, 34.3772, 34.6675)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(31.7559, 34.3772,  
34.6675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BA098
RGB	155, 160, 152
RGB Percent	61%, 63%, 60%
CMY	0.3922, 0.3725, 0.4039
CMYK	0.03, 0.00, 0.05, 0.37
HSL	98°, 4%, 61%
HSV	98°, 5%, 63%
XYZ	31.7559, 34.3772, 34.6675
YIQ	157.5930, -0.4120, -3.5480

# Conversions

## Conversions Part 2

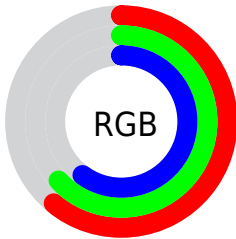
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 160, 157
Decimal	10199192
CIELab	65.26, -3.31, 3.54
CIElCh	65, 4.846, 133.138
Yxy	34.3772, 0.3150, 0.3410
Android (android.graphics.Color)	4288389272 (0xFF9BA098)
YUV	157.5930, -2.7573, -2.2741
Hunter-Lab	58.6321, -5.9282, 5.9859

# Details

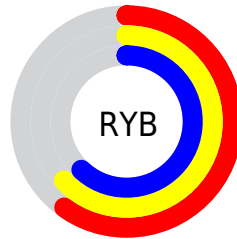
The XYZ color **31.7559, 34.3772, 34.6675** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.4793, 32.1636, 37.8086**, and the grayscale version is **32.3282, 34.0118, 37.0388**.

A 20% lighter version of the original color is **61.7355, 66.6124, 67.9962**, and **13.5265, 14.8199, 14.4595** is the 20% darker color. If you saturate the color by 10%, you get **28.6923, 32.9402, 28.1387**, and if you desaturate by 10%, it is **35.1573, 35.9699, 42.1364**.

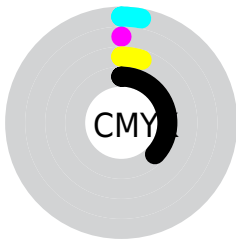
# Distribution



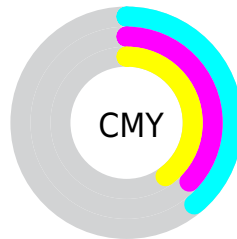
- Red (61%)
- Green (63%)
- Blue (60%)



- Red (60%)
- Yellow (63%)
- Blue (62%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (37%)



- Cyan (39%)
- Magenta (37%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7559, 34.3772, 34.6675 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 31.7559, 34.3772, 34.6675 by changing the saturation by 10% instead.



■ 31.7559, 34.3772,  
34.6675

■ 31.7559, 34.3772,  
34.6675

301.7709,  
321.8107, 337.9578

■ 21.3298, 23.1835,  
23.1254

■ 61.7960, 66.5198,  
68.1161

■ 13.4791, 14.7291,  
14.4799

■ 82.1407, 88.2375,  
90.8596

■ 7.8385, 8.6295,  
8.3127

106.5222,  
114.2321, 118.1740

■ 4.0427, 4.5003,  
4.2050

135.3061,  
144.8878, 150.4777

■ 1.7263, 1.9572,  
1.7385

168.8575,  
180.5892, 188.1895

■ 0.4727, 0.5824,  
0.3869

207.5418,

■ 0.0000, 0.0000,

221.7205, 231.7277

0.0000

251.7245,  
268.6662, 281.5110

■ 31.7559, 34.3772,  
34.6675

■ 31.7559, 34.3772,  
34.6675

■ 28.6923, 32.9402,  
28.1387

■ 35.1573, 35.9699,  
42.1364

■ 25.9527, 31.6496,  
22.5106

■ 38.9040, 37.7184,  
50.5784

■ 23.5267, 30.5020,  
17.7442


■ 43.0067, 39.6285,  
60.0274


■ 21.4020, 29.4918,  
13.7969


■ 47.4750, 41.7045,  
70.5152

■ 19.5655, 28.6134,  
10.6225


■ 52.3179, 43.9504,  
82.0721


 18.0032, 27.8607,  
8.1700


 57.5443, 46.3700,  
94.7272

 16.6993, 27.2267,  
6.3825

 61.6785, 48.3735,  
100.6939

 15.6365, 26.7040,  
5.1943

 64.8893, 50.0287,  
100.8442

 14.7939, 26.2836,  
4.5232

 68.2857, 51.7796,  
101.0032

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.3672, 34.3772, 33.7744



31.7559, 34.3772, 34.6675



31.3937, 34.3772, 36.3155

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.7559, 34.3772, 34.6675



32.2827, 34.3772, 41.2725



34.0131, 34.3772, 36.5550

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.7559, 34.3772, 34.6675



31.4793, 32.1636, 37.8086

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.9897, 34.3772, 38.5690



31.7559, 34.3772, 34.6675



32.9837, 34.3772, 41.3423

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.7559, 34.3772, 34.6675



31.6948, 34.3772, 40.1501



33.6106, 34.3772, 40.3374



33.6742, 34.3772, 34.8374



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.7559, 34.3772, 34.6675



31.3389, 34.3772, 37.6439



33.6106, 34.3772, 40.3374



34.0475, 34.3772, 37.2187

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.7569, 34.3787, 34.6682



59.4232, 63.2453, 66.7813



32.2118, 33.8334, 34.5390



13.0484, 13.8781, 14.6811



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.7569, 34.3787, 34.6682



57.0086, 62.1140, 61.5403



31.2650, 34.1162, 35.0460



6.9675, 7.6069, 7.4945



11.2887, 20.3563, 3.3342



0.2469, 0.3872, 0.0617



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.4793, 32.1636, 37.8086



56.3969, 57.2322, 68.4610



31.9905, 32.4365, 37.4077



6.8883, 6.9753, 8.3900



9.0885, 4.1143, 26.2224



0.2081, 0.0971, 0.4710



# Previews

## White Background



This preview shows how the XYZ color 31.7559, 34.3772, 34.6675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

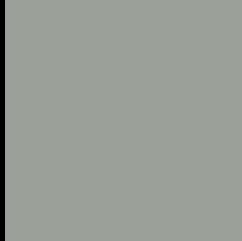
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.7559, 34.3772, 34.6675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.7559, 34.3772, 34.6675**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.7559, 34.3772, 34.6675.



This preview shows how white text looks on a background with the XYZ color 31.7559, 34.3772,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

31.7559, 34.3772, 34.6675

### Protanopia

32.9170, 34.4746, 34.1975

### Deuteranopia

34.8202, 34.1963, 34.9023



## Tritanopia

33.4132, 34.2853, 42.8869

# Trichromacy



## Original Color

31.7559, 34.3772, 34.6675

## Protanomaly

32.4813, 34.5042, 34.2262

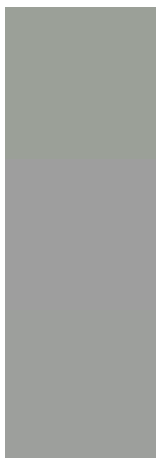
## Deuteranomaly

33.7867, 34.4017, 34.9964

## Tritanomaly

32.7423, 34.2662, 39.5387

# Monochromacy



## Original Color

31.7559, 34.3772, 34.6675

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

32.3035, 34.3647, 36.3830

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.7559, 34.3772, 34.6675 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(155, 160, 152)` looks like.

```
.text, #text, p{  
    color:rgb(155, 160, 152)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(155, 160, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 160, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 31.7559, 34.3772, 34.6675 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 160, 152) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(155, 160, 152) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(155, 160, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 160, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 160, 152);  
box-shadow:4px 4px 4px 4px rgb(155, 160,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.7559, 34.3772, 34.6675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 160, 152) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(155,  
160, 152) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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